

Figure 4

TECHNICAL DESCRIPTION OF DCP PROCESSES

(System fields appear in bold)

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SEP 21 2000

OFFICE OF PETITIONS

I. Annual determination of coverage dates and premiums

For each participant:

If **Coverage Election** = YES

AndIf **Date of Termination** = 00/00/0000 or **Date of Termination** > **Current Effective Date**

Then

For each source of money:

If **Source Eligible for Coverage** = YES

AndIf participant had source contributions

Then

Coverage Date = **Current Effective Date**

and

Source Coverage = Total prior year's source contributions (net of adjustments and corrections)

and

Source Premium = **Source Coverage** x **Insurance Rate**

and

Source Monthly Premium = **Source Premium** / 12

and

Life-To-Date Source Coverage = **Life-To-Date Source Coverage** + **Source Coverage**

EndIf

EndIf

Next Source

EndIf

EndIf

Next Participant

II. Annual fund transfer to cover premiums

For each participant:

 If Coverage Date = Current Effective Date

 Then

 For each source:

 If Source Premium \neq 0

 Then

 Sell eligible funds in amount of Source Premium

 and

 Buy "Disability Premium" Fund in amount of Source Premium

 EndIf

 Next Source

 EndIf

Next participant

III. Monthly sale to pay premiums

For each participant:

 If Date of Termination = 00/00/0000 or Date of Termination \geq 1st day of current month

 Then

 For each source:

 If Source Monthly Premium \neq 0

 Then

 Sell "Disability Premium" fund in amount of Source Monthly Premium

 EndIf

 Next source

 EndIf

Next participant

IV. Monthly disability payments

For each participant:

If Disability Payment Start Date < Current Date

Then

For each source:

If Source Coverage = 0

Then

Purchase funds in amount of monthly payment, according to investment elections

EndIf

Next source

EndIf

Next Participant

V. Year-End Archive

For each plan:

Add 1 to Effective Date year

For each participant:

For each source, where T = current year

Source Coverage^{T-1} = Source Coverage^T

Source Premium^{T-1} = Premium^T

Source Coverage^T = 0

Source Premium^T = 0

Next source

Next participant

Next plan